

CLAIMS

1. A container for optical analysis composed of a bottom portion and a sidewall portion,
5 wherein said bottom portion and said sidewall portion are made by a resin containing an alicyclic structure, and
surface roughness R_a is 1 μm or less, at the point where light for the optical analysis passes through, in
10 the area where the bottom portion or the sidewall portion contacts with the measuring subject therefor.
2. The container as set forth in claim 1,
wherein thickness of said bottom portion and sidewall
15 portion is 3 mm or thinner.
3. The container as set forth in claim 1,
wherein surface roughness R_a is 1 μm or less at the point where the light for optical analysis does not pass in
20 said bottom portion and sidewall portion.
4. The container as set forth in claim 2,
wherein absorbance at a wavelength of 240 to 400 nm is 0.4 or lower at said thickness.

5. The container as set forth in claim 1,
wherein said alicyclic structure containing polymer is a
norbornene based polymer or hydrogenate of the same.

5 6. The container as set forth in claim 1,
wherein said resin containing alicyclic structure is
hydrogenated ring-opening polymer of a norbornene based
monomer.

10 7. The container as set forth in claim 1,
wherein a residual metal content in said resin containing
alicyclic structure is 100 ppm or less.

8. The container as set forth in claim 1,
15 wherein the measuring subject includes DNA or RNA.

9. The container as set forth in claim 1, which
is a multi-well plate.

20 10. An optical analyzing method of a measuring
subject comprising the steps of:
putting the measuring subject into a container
composed of a bottom portion and a sidewall portion,
wherein the bottom portion and the sidewall portion are
25 made by a resin containing alicyclic structure, and

surface roughness Ra is 1 μm or less, at the point where light for the optical analysis passes through, in the area where the bottom portion or the sidewall portion contacts with the measuring subject therefor; and

5 performing optical analysis on a measuring subject by using light having a wavelength of 240 to 400 nm.

11. The analyzing method as set forth in claim 10, wherein the measuring subject includes DNA or RNA.